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## Editorial Board

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• *Computational fluid dynamics*  
• *Adaptive methods*  
• *Stochastic finite elements*

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• *Finite element methods*  
• *Viscoelastic flows*  
• *Free-surface flows*  
• *Shape optimization*  
• *Physiological model development*  
• *Aeroelasticity*  
• *Parallel computing*

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• *Modeling in electromagnetism*  
• *Analysis of PDEs*  
• *Nonsmooth solutions of PDEs*  
• *Discretization and numerical analysis of PDEs*  
• *High performance computing*

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• *Singularities of elliptic boundary value problems*  
• *Singular perturbations*  
• *Spectral analysis*  
• *Maxwell equations*  
• *Finite element computations*

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• *Continuum mechanical modeling*  
• *Experimental mechanics/material's characterization*  
• *multiphase continuum mechanics/theory of porous media*  
• *Extended continua (Cosserat/micromorphic continua)*  
• *Numerical treatment of multifield problems*

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• *Domain decomposition*  
• *Preconditioning*  
• *Iterative methods*  
• *Parallel computing*

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• *FE methods*  
• *Discontinuous Galerkin FE methods*  
• *Fluid flows*  
• *3D Navier–Stokes equations*  
• *3D Turbulence*  
• *Magneto-hydrodynamics*  
• *Maxwell equations*  
• *Nonlinear conservation equations*  
• *HJ equations*  
• *Entropy viscosity*  
• *Radiative transport equation*  
• *Boltzmann equation*

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• *Numerical analysis including: FEM, BEM, coupling*  
• *Domain decomposition, Schwarz methods*  
• *Preconditioners, p-, hp-versions approximation of singularities*  
• *Fractional order Sobolev spaces*

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• *Adaptive finite element methods*  
• *Reissner–Mindlin plate problems*  
• *Eigenvalue problems*  
• *Variational inequalities*

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## Editorial Board — *continued*

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- *Smart materials and structures*
- *Variational inequalities*
- *Complementarity problems*
- *Finite elements*

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- *Computational electromagnetics*
- *Finite element method*
- *Superconvergence*
- *Singular perturbation problems*
- *Radial basis functions*

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- *FEM*
- *Hp-FEM and spectral methods*
- *Meshless methods*
- *BEM*
- *Adaptivity*
- *Numerical methods for singular perturbations*
- *Helmholtz equation*
- *Scattering problems*
- *Approximation theory*

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• *Computational acoustics and electromagnetics*

- *Mathematical modeling in the physical and biological sciences*

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- *Adaptive meshing*
- *Parallel computing*
- *Uncertainty quantification*
- *Linear system solvers*
- *Domain decomposition theory*
- *Geophysical modeling*
- *Scientific software*

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- *Finite elements*
- *A posteriori error estimation*
- *Adaptive methods*
- *Model adaptivity*
- *Verification and Validation*
- *Inverse problems*
- *Uncertainty quantification*

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- *High order finite elements*
- *Mixed finite elements*
- *Preconditioning*
- *Maxwell equations*

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• *Artificial viscosity schemes*  
• *Shallow water equations*  
• *Local time stepping methods*  
• *Convergent adaptive schemes for elliptic problems*  
• *Adaptive hybridized DG methods*  
• *Preconditioning, Newton–Krylov solvers*  
• *Artificial boundary conditions for hyperbolic PDEs*  
• *GPU/many-core computing*

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